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## TRANSMITTAL FORM

|   |                      |                        |            |
|---|----------------------|------------------------|------------|
| <br><b>TRANSMITTAL<br/>FORM</b><br><i>(to be used for all correspondence after initial filing)</i> | Application Number   | 10/589,112 ✓           |            |
|   | Filing Date          | August 10, 2006        |            |
|   | First Named Inventor | Michel Jouve           |            |
|   | Art Unit             | Not Yet Assigned       |            |
|   | Examiner Name        | Not Yet Assigned       |            |
| Total Number of Pages in This Submission  | 5                    | Attorney Docket Number | 034299-708 |

**ENCLOSURES (check all that apply)**

|  |   |   |
|--|---|---|
| <input type="checkbox"/> Fee Transmittal Form                            | <input type="checkbox"/> Drawing(s)   | <input type="checkbox"/> After Allowance Communication to TC                            |
| <input type="checkbox"/> Fee Attached                                    | <input type="checkbox"/> Licensing-related Papers                                       | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences     |
| <input type="checkbox"/> Amendment / Reply                               | <input type="checkbox"/> Petition   | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final                                     | <input type="checkbox"/> Petition to Convert to a Provisional Application               | <input type="checkbox"/> Proprietary Information  |
| <input type="checkbox"/> Affidavits/declaration(s)                       | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input type="checkbox"/> Status Letter  |
| <input type="checkbox"/> Extension of Time Request                       | <input type="checkbox"/> Terminal Disclaimer  | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):         |
| <input type="checkbox"/> Express Abandonment Request                     | <input type="checkbox"/> Request for Refund   | Six (6) References Cited; Postcard.   |
| <input checked="" type="checkbox"/> Information Disclosure Statement     | <input type="checkbox"/> CD, Number of CD(s) _____                                      |   |
| <input type="checkbox"/> Certified Copy of Priority Document(s)          | <input type="checkbox"/> Landscape Table on CD  |   |
| <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application  | <b>Remarks</b>  |   |
| <input type="checkbox"/> Reply to Missing Parts under 37 CFR1.52 or 1.53 |   |   |

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

|              |  |          |        |
|--------------|--|----------|--------|
| Firm         | THELEN REID BROWN RAYSMAN & STEINER LLP  |          |        |
| Signature    |  |          |        |
| Printed Name | Robert E. Krebs  |          |        |
| Date         | 28 Feb. 2007   | Reg. No. | 25,885 |

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. 11

|                       |   |
|-----------------------|---|
| Signature             |  |
| Typed or printed name | Geneva Walls  |
|                       | Date 3-1-07   |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Michel Jouve et al. CONFIRMATION NO.: Not Yet Assigned  
SERIAL NO.: 10/589,112  
FILING DATE: August 10, 2006  
  
TITLE: Spectrometry Diagnostic Electronic Circuit And Associated Counting System  
  
EXAMINER: Not Yet Assigned  
ART UNIT: Not Yet Assigned

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CERTIFICATE OF MAILING

I hereby certify that this paper is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop Amendment Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date printed below:

Date: 3-1-07

Name: Geneva Walls  
Geneva Walls

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**Mail Stop: AMENDMENT  
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INFORMATION DISCLOSURE STATEMENT

In compliance with the duty of disclosure under 37 C.F.R. §§ 1.56, 1.97 and 1.98, applicant hereby submits this Information Disclosure Statement (IDS) including a Form PTO-1449 containing a list of references which may be material to the examination of the above-referenced application. This submission is not to be construed as a representation that a prior art search has been conducted, that additional information material to the examination of this application does not exist, or that any one or more of the listed references constitutes prior art.

The Examiner is urged to carefully consider this Information Disclosure Statement and all the listed references, and to indicate same by initialing the appropriate portion(s) of the Form PTO-1449 and forwarding an initialed copy to applicant.

I

This statement is filed pursuant to **(CHECK ONE BOX):**



**37 C.F.R. § 1.97(b).**

This information disclosure statement is filed either:

- (1) within three months of the filing date of a national application other than a continued prosecution application under §1.53(d);
- (2) within three months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application;
- (3) before the mailing date of a first office action on the merits; **or**
- (4) before the mailing of a first office action after the filing of a Request for Continued Examination under 37 C.F.R. §1.114, **whichever event occurs last.**

**Accordingly, this information disclosure statement requires no fee and no certification.**



**37 C.F.R. § 1.97(c).**

This information disclosure statement is filed **after** the period specified in 37 C.F.R. § 1.97(b), but **before** the mailing date of any of the following:

- (1) a final action under 37 C.F.R. § 1.113;
- (2) a notice of allowance under 37 C.F.R. § 1.311; **or**
- (3) an action that otherwise closes prosecution in the application.

**Accordingly, this information disclosure statement requires either:**

- (1) the fee specified in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under 37 C.F.R. § 1.97(c); **or**
- (2) a certification according to 37 C.F.R. § 1.97 (e)(1) or (2).



**37 C.F.R. § 1.97(d).**

This information disclosure statement is filed **after** the period specified in 37 C.F.R. § 1.97 (c).

**Accordingly, this information disclosure statement requires:**

- (1) a certification in accordance with 37 C.F.R. § 1.97(e); **and**
- (2) the fee specified in 37 C.F.R. § 1.17 (p) to consider an information disclosure statement under 37 C.F.R. § 1.97(d).

If this statement crosses in the mail with an office action, or is otherwise not in the indicated category of 37 C.F.R. § 1.97, it is respectfully requested that this statement be treated in the next appropriate category and made of record. To the extent required, please treat this paper as a conditional petition for acceptance of the information disclosure statement.

II

**Fees Due (CHECK ONE BOX):**

No fee is due.

The fee specified in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under 37 C.F.R. § 1.97(c) or 37 C.F.R. § 1.97(d) is enclosed (\$180).

III

**Certification (CHECK ONE BOX):**

No certification is necessary.

Pursuant to 37 C.F.R. § 1.97(e)(1), the undersigned hereby certifies:  
That each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.

Pursuant to 37 C.F.R. § 1.97(e)(2), the undersigned hereby certifies:  
No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this information disclosure statement.

Please charge any additional required fee or credit any overpayment to our deposit account number 50-1698.

Respectfully submitted,  
THELEN REID BROWN  
RAYS MAN & STEINER LLP

Dated: February 28, 2007



Robert E. Krebs  
Reg. No. 25,885

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| Form PTO 1449<br>(Rev. 2-32) U.S. Department of Commerce<br>Patent and Trademark Office   |   |   |            |         | Atty. Docket No.<br>034299-708 | Serial No.<br>10/589,112   |             |    |
|---|---|---|------------|---------|--------------------------------|----------------------------|-------------|----|
| Information Disclosure Statement by Applicant<br><br>(Use several sheets if necessary)  |   |   |            |         | Applicant:<br>Michel Jouve     |                            |             |    |
|   |   |   |            |         | Filed:<br>August 10, 2006      | Group:<br>Not Yet Assigned |             |    |
| U.S. Patent Documents   |   |   |            |         |                                |                            |             |    |
| Init.   |   | Document No.  | Date       | Name    | Class                          | Subclass                   | Filing Date |    |
|   |   |   |            |         |                                |                            |             |    |
|   |   |   |            |         |                                |                            |             |    |
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| Foreign Documents   |   |   |            |         |                                |                            |             |    |
| Translation   |   |   |            |         |                                |                            |             |    |
| Init.   |   | Document No.  | Date       | Country | Class                          | Subclass                   | Yes         | No |
|   | A | 2332512 A   | 06-23-1999 | GB      |                                |                            |             |    |
|   | B | 0396464 A2  | 11-07-1990 | EP      |                                |                            |             |    |
|   | C | 2686158   | 07-16-1993 | FR      |                                |                            |             |    |
|   | D | 2162236 C1  | 01-20-2001 | RU      |                                |                            |             |    |
|   |   |   |            |         |                                |                            |             |    |
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|   |   |   |            |         |                                |                            |             |    |
|   |   |   |            |         |                                |                            |             |    |
| Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)  |   |   |            |         |                                |                            |             |    |
|   | E | International Search Report, PCT/FR2005/050116, 11 pgs., (02-22-2005).  |            |         |                                |                            |             |    |
|   | F | PEYSSON, Yves et al., "Tomography Of The Fast Electron Bremsstrahlung Emission During Lower Hybrid Current Drive On TORE SUPRA", Review of Scientific Instruments, vo. 70, no. 10, pgs. 3987-4007, (10-1999). |            |         |                                |                            |             |    |
| Examiner  |   |   |            |         |                                | Date Considered            |             |    |
| Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant. |   |   |            |         |                                |                            |             |    |

